

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1.(Currently Amended) A sense amplifier, comprising:
a sensing unit for sensing data stored at a memory cell;
a reference voltage generator having a reference cell, for generating a reference voltage;
an equalizer that makes same the output of the sensing unit and the output of the reference voltage generator, wherein the equalizer is enabled before applying a read voltage to a word line of the memory cell is enabled, and is then disabled after applying the read voltage to the word line of the memory cell; and
a comparator for comparing the output of the sensing unit and the output of the reference voltage generator.
- 2.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of a switch driven by an equalizer enable signal.
- 3.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of a PMOS transistor driven by the equalizer enable signal.
- 4.(Original) The sense amplifier as claimed in claim 1, wherein the equalizer consists of an NMOS transistor driven by the equalizer enable signal.